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April 3, 2002

To: Commissioner of Patents and Trademarks

Washington, D.C. 20231

Fr: George O. Saile, Reg. No. 19,572

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HNOLOGY CENTER 281

Subject:

Serial No. 10/082,024 02/21/02

Chung-Ju Hsieh et al.

REAL-TIME DETECTION MECHANISM WITH SELF-CALIBRATED STEPS FOR THE HARD-WARE BASELINE TO DETECT THE MALFUNCTION OF LIQUID VAPORIZATION SYSTEM IN AMAT TEOS-BASED Dxz CHAMBER

Grp. Art Unit: 2812

## INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation In An Application.

The following Patents and/or Publications are submitted to comply with the duty of disclosure under CFR 1.97-1.99 and 37 CFR 1.56. Copies of each document is included herewith.

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on April 10, 2002.

Stephen B. Ackerman, Reg.# 37761

Signature/Date

TSMC-00-903

- U.S. Patent 5,531,183 to Sivaramakrishnam et al.,
  "Vaporization Sequency for Multiple Liquid Precursors Used in
  Semiconductor Thin Film Applications," discloses a vaporization
  sequency for multiple liquid precursors used in semiconductor
  thin film applications.
- U.S. Patent 6,179,277 to Huston et al., "Liquid Vaporizer Systmes and Methods for Their Use," provides for improved liquid vaporizer systems and methods for their use.
- U.S. Patent 5,925,189 to Nguyen et al., "Liquid Phosphorous Precursor Delivery Apparatus," describes an apparatus by AMAT, namely, a liquid phosphorous precursor delivery apparatus.

Sincerely,

Stephen B. Ackerman,

Reg. No. 37761